

CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- At time of the Action: Claims 1-40.
- After this Response: Claims 1-40.

Canceled or Withdrawn claims: none.

Amended claims: 13-18, and 31.

New claims: none.

Claims:

1. (Original) A method for controlling access to storage loci in a common configuration data structure, the method comprising:

receiving an attempt to access a first storage locus in the common configuration data structure from a program module;

determining whether to direct such attempt to at least a second locus in the common configuration data structure with the program module unaware that it is accessing the second locus.

2. (Original) A method as recited in claim 1 further comprising directing such attempt to at least the second locus, the program module being unaware that it is accessing the second locus.

Official

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RESPONSE TO OFFICE ACTION DATED MAY 23,
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1 3. (Original) A method as recited in claim 1 further comprising
2 determining whether to direct such attempt to at least a third locus in the common
3 configuration data structure with the program module is unaware that it is
4 accessing the third locus.

5
6 4. (Original) A method as recited in claim 1 further comprising
7 examining a loci-redirection table, wherein the determining is based, at least in
8 part, upon information in the table.

9
10 5. (Original) A method as recited in claim 1, wherein the program
11 module is an application.

12
13 6. (Original) A method as recited in claim 1, wherein:
14 the first storage locus is reserved for configuration information ("config-
15 info") for a first version of a program module;
16 the second storage locus is reserved for config-info for a second version of
17 the program module.

18
19 7. (Original) A method as recited in claim 1, wherein the common
20 configuration data structure is a registry.

21
22 8. (Original) A computer-readable medium having computer-
23 executable instructions that, when executed by a computer, performs the method
24 as recited in claim 1.
25

1 9. (Original) A method for controlling access to storage loci in a
2 common configuration data structure, the method comprising:

3 receiving an attempt to access a first storage locus in the common
4 configuration data structure from a program module;

5 directing such attempt to at least a second locus in the common
6 configuration data structure, the program module being unaware that it is
7 accessing the second locus.

8
9 10. (Original) A method as recited in claim 9 further comprising
10 directing such attempt to at least a third locus in the common configuration data
11 structure, the program module being unaware that it is accessing the third locus.

12
13 11. (Original) A computer-readable medium having computer-
14 executable instructions that, when executed by a computer, performs the method
15 as recited in claim 9.

16
17 12. (Original) A method for directing an access to a storage locus in a
18 common configuration data structure, the method comprising:

19 intercepting an attempt by a program module to access configuration
20 information ("config-info") of the program module at a first storage locus in the
21 common configuration data structure;

22 determining whether to redirect such attempt to at least a second locus in
23 the common configuration data structure with the program module unaware that it
24 is accessing its config-info at the second locus.

1 13. **(Currently Amended)** A method as recited in claim ~~11~~ 12, further
2 comprising redirecting such attempt to at least the second locus, the program
3 module being unaware that it is accessing its config-info at the second locus.

4
5 14. **(Currently Amended)** A method as recited in claim ~~11~~ 12, further
6 comprising examining a loci-redirection table, wherein the determining is based, at
7 least in part, upon information in the table.

8
9 15. **(Currently Amended)** A method as recited in claim ~~11~~ 12, wherein
10 the program module is an application.

11
12 16. **(Currently Amended)** A method as recited in claim ~~11~~ 12, wherein:
13 the first storage locus is reserved for configuration information ("config-
14 info") for a first version of a program module;

15 the second storage locus is reserved for config-info for a second version of
16 the program module.

17
18 17. **(Currently Amended)** A method as recited in claim ~~11~~ 12, wherein
19 the common configuration data structure is a registry.

20
21 18. **(Currently Amended)** A computer-readable medium having
22 computer-executable instructions that, when executed by a computer, performs the
23 method as recited in claim ~~11~~ 12.

1 19. (Original) A method for directing an access to a storage locus in a
2 common configuration data structure, the method comprising:

3 intercepting an attempt by a program module to access configuration
4 information ("config-info") of the program module at a first storage locus in the
5 common configuration data structure;

6 redirecting such attempt to at least a second locus in the common
7 configuration data structure, the program module being unaware that it is
8 accessing its config-info at the second locus.

9
10 20. (Original) A method as recited in claim 19 further comprising
11 redirecting such attempt to at least a third locus in the common configuration data
12 structure, the program module being unaware that it is accessing the third locus.

13
14 21. (Original) A method for replicating data in storage loci of a
15 common configuration data structure of multiple storage loci, the method
16 comprising:

17 searching multiple storage loci of the common configuration data structure
18 for modified data;

19 finding modified data in a first storage locus;

20 copying selected modified data from the first storage locus to at least a
21 second storage locus.

22
23 22. (Original) A method as recited in claim 21 further comprising
24 copying selected modified data from the first storage locus to at least a third
25 storage locus.

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1
2 23. (Original) A method as recited in claim 21, wherein only storage
3 loci listed in a loci-redirection table are searched during the searching.

4
5 24. (Original) A method comprising:
6 obtaining a triggering event that signals that a method as recited in claim 21
7 be initiated;
8 initiating such method as recited in claim 21.

9
10 25. (Original) A method as recited in claim 24 further comprising
11 sending a triggering event when data in the common configuration data structure is
12 altered.

13
14 26. (Original) A method as recited in claim 21, wherein:
15 the first storage locus is reserved for configuration information ("config-
16 info") for a first version of a program module;
17 the second storage locus is reserved for config-info for a second version of
18 the program module.

19
20 27. (Original) A method as recited in claim 21, wherein the common
21 configuration data structure is a registry.

22
23 28. (Original) A computer-readable medium having computer-
24 executable instructions that, when executed by a computer, performs the method
25 as recited in claim 21.

29. (Original) A method of access redirection and entry reflection, the method comprising:

controlling access to storage loci in a common configuration data structure of multiple storage loci, the controlling comprising:

- receiving an attempt to access a first storage locus in the common configuration data structure from a program module;
- directing such attempt to at least a second locus in the common configuration data structure, the program module being unaware that it is accessing the second locus;

replicating modified data in storage loci, the replicating comprising:

- searching multiple storage loci for modified data;
- finding modified data in at least one storage locus;
- copying selected modified data from the storage locus to at least another storage locus.

30. (Original) A computer-readable medium having computer-executable instructions that, when executed by a computer, perform a method for replicating data in storage loci of a common configuration data structure of multiple storage loci, the method comprising:

searching multiple storage loci of the common configuration data structure for modified data;

finding modified data in a first storage locus;

copying selected data from the first storage locus to at least a second storage locus.

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1
2 31. (Currently Amended) An apparatus comprising:

3 a processor;

4 an access-redirector executable on the processor to:

5 receive an attempt to access a first storage locus in a common
6 configuration data structure from a program module;

7 redirect such attempt to at least a second locus in the common
8 configuration data structure, the program module being unaware that it is
9 accessing the second locus.

10
11 32. (Original) An apparatus comprising:

12 a processor;

13 an entry-reflector executable on the processor to:

14 search multiple storage loci of a common configuration data
15 structure for modified data;

16 find modified data in a first storage locus;

17 copy selected data from the first storage locus to at least a second
18 storage locus.

19
20 33. (Original) An operating system comprising:

21 a common configuration data structure containing storage loci for storing
22 configuration information ("config-info");

23 a loci-access redirector comprising:

24 receiver for receiving an attempt to access a first storage locus in the
25 common configuration data structure from a program module;

1 director for directing such attempt to at least a second locus in the
2 common configuration data structure, the program module being unaware
3 that it is accessing the second locus.

4
5 34. (Original) An operating system as recited in claim 33, wherein the
6 program module is an application.

7
8 35. (Original) An operating system as recited in claim 33, wherein:
9 the first storage locus is reserved for config-info for a first version of a
10 program module;
11 the second storage locus is reserved for config-info for a second version of
12 the program module.

13
14 36. (Original) An operating system as recited in claim 33, wherein the
15 common configuration data structure is a registry.

16
17 37. (Original) An operating system comprising:
18 a common configuration data structure containing storage loci for storing
19 configuration information ("config-info");
20 a loci-entry reflector comprising:
21 searcher for searching multiple storage loci of the common
22 configuration data structure for modified data and for finding modified data
23 in a first storage locus;
24 replicator for copying selected data from the first storage locus to at
25 least a second storage locus.

1
2 38. (Original) An operating system as recited in claim 37, wherein:
3 the first storage locus is reserved for config-info for a first version of a
4 program module;

5 the second storage locus is reserved for config-info for a second version of
6 the program module.

7
8 39. (Original) A computer-readable medium having a common
9 configuration data structure data structure, comprising:

10 a first storage locus containing configuration information ("config-info")
11 for a first version of a program module;

12 a second storage locus containing config-info for a second version of the
13 program module.

14
15 40. (Original) A computer-readable medium as recited in claim 39
16 further comprising a third storage locus containing a table that relates the first
17 storage locus to the second storage locus.

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